

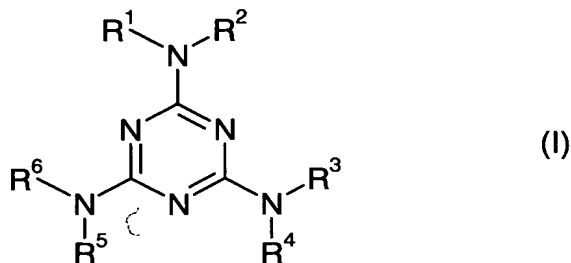
ART 34 AMDT

"as enclosed to IPER"

We claim:-

1. A method for printing sheetlike or three-dimensional substrates by the ink jet process using thermally crosslinkable, aqueous recording fluids containing random polyurethane copolymers and one or more melamine derivatives as crosslinkers.

2. The method as claimed in claim 1, wherein the recording fluids contain one or more melamine derivatives of the general formula (I)



where:

R^1 to R^6 are the same or different and are each selected from hydrogen, $(CH_2O)_z-R^7$, CH_2-OR^7 , $CH(OR^7)_2$ and $CH_2-N(R^7)_2$

where z is from 1 to 10 and each R^7 is the same or different and is selected from

hydrogen, C_1-C_{12} -alkyl, branched or unbranched;

alkoxyalkylene, such as $(-CH_2-CH_2-O)_m-H$, $(-CHCH_3-CH_2-O)_m-H$, $(-CH_2-CHCH_3-O)_m-H$, $(-CH_2-CH_2-CH_2-CH_2-O)_m-H$, where m is an integer from 1 to 20.

3. The method as claimed in claim 2, wherein R^1 and R^2 are each hydrogen in the formula (I).
4. The method as claimed in claim 2 or 3, wherein R^3 is CH_2OH in the formula (I).

5. Printed sheetlike or three-dimensional substrates obtainable by the method of claims 1 to 4.

- 5 6. A process for preparing colorant preparations for recording fluids as defined in one of claims 1 to 4 comprising a mixture of random polyurethane copolymers and one or more melamine derivatives as dispersing binders, water, optionally one or more organic solvents and a finely divided inorganic or organic colorant, which comprises mixing together in a ball mill dispersing binders, water, optionally one or more
10 organic solvents and a finely divided inorganic or organic colorant.

7. Colorant preparations for recording fluids, obtainable by the process of claim 6.